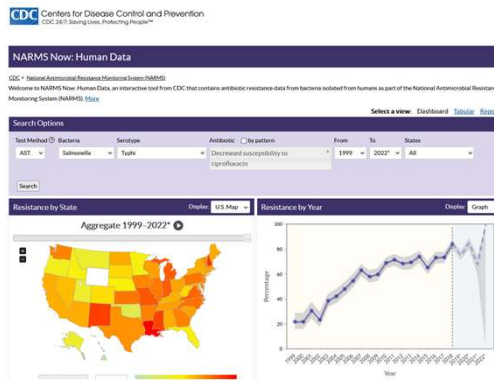
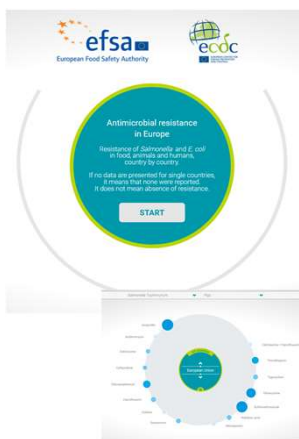


DANMAP Explorer

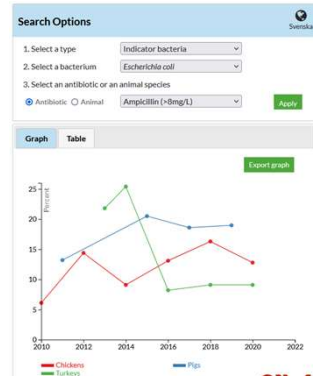
Ana Sofia Ribeiro Duarte
 Senior Researcher
 DTU National Food Institute
 Foodborne Pathogens and Epidemiology

Why digitalizing DANMAP?

- (AMR) monitoring is becoming digital and democratized
- DANMAP has >25 years at the forefront of AMR monitoring

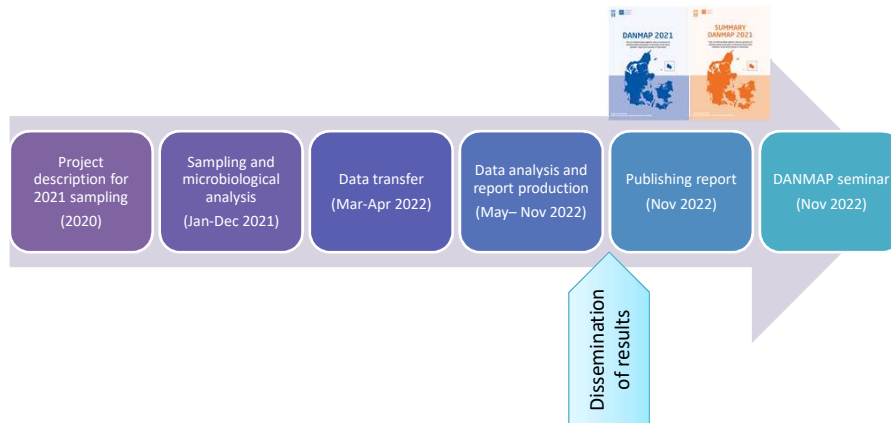


SvarmIT, interactive resistance monitoring tool



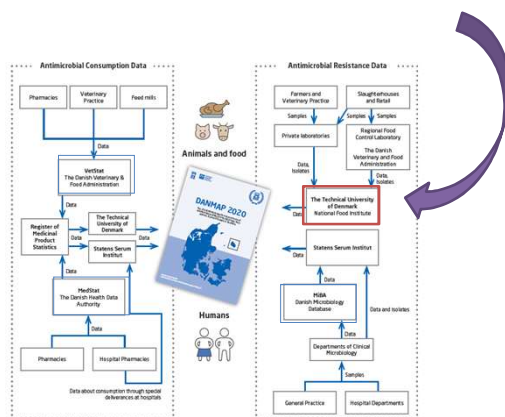
Why digitalizing DANMAP?

- Moving towards real-time surveillance
- Data shall be **F**indable, **A**ccessible, **I**nteroperable, **R**eusable

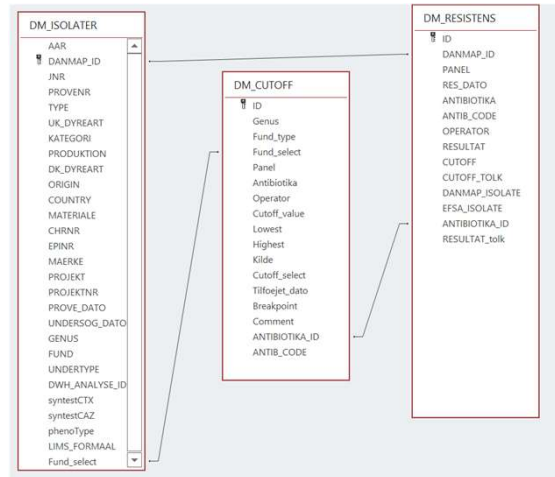


DANMAP – Relational DataBase Management System

- Long term storage for the DANMAP animal and food AMR data within MYSQL

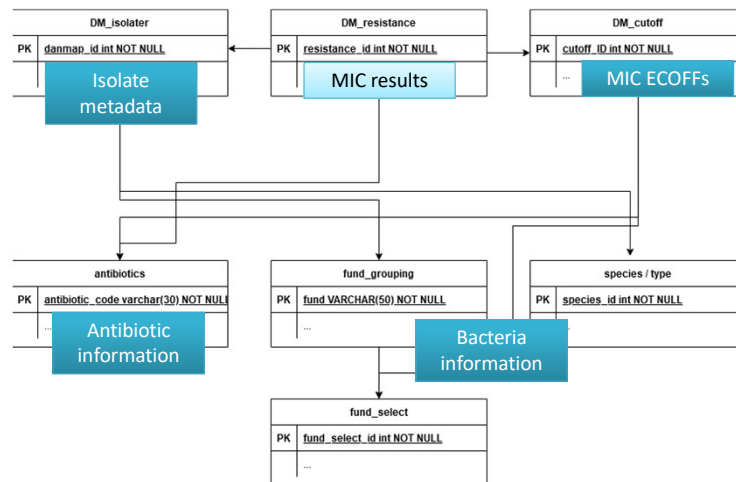


The old database



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The new database – Logical Schema



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DANMAP explorer

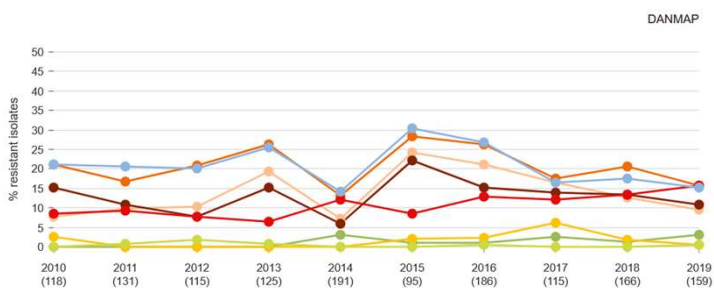
- AMR data visualization tool
- Includes all public data of AMR in food animals and food reported in DANMAP
- Allows download of full- and filtered data (.csv) (reusable data, e.g. for research)
- **Allows to reproduce the DANMAP report plots (can be used for annual reporting)**
- Allows download of plots in publishable format (.pdf, .png, .jpeg)



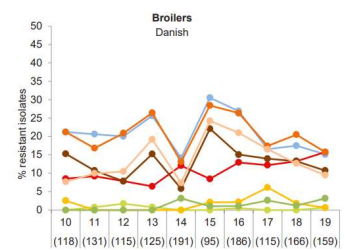
7

Production of DANMAP plots

DANMAP explorer

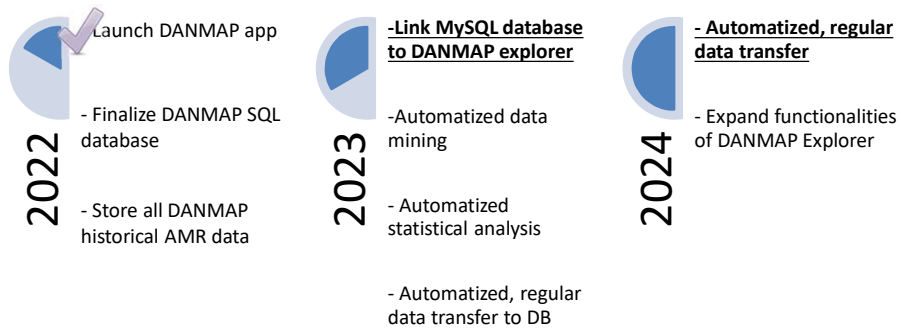


DANMAP report 2020



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Milestones for a digital DANMAP



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DANMAP Explorer -Demo



DANMAP Explorer 1
Explore data on resistance in indicator and zoonotic bacteria



DANMAP Explorer 2
Explore data on ESBL/AmpC-producing *E. coli*



Available at : www.danmap.org

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Acknowledgments

All those involved in data collection

DANMAP team

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Timmie Lagermann

(MySQL database development)

Nóra Gyopár Muraközy

(DANMAP explorer development)

Christian Brinch

(Project management)

Frank Aarestrup

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Thank you for your attention



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